

20001224.ba v03_n066.bam.20001224

>From ???@??? Sun Dec 24 23:56:23 2000 -0600
Date: Sun, 24 Dec 2000 23:53:43 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3066
Message-Id: <20001225070119.6A6305F3E@devel43.theporch.com>

BOATANCHORS Digest 3066

Topics covered in this issue include:

- 1) Re: GP-7 manual..prelimanary manual only????
by William Donzelli <aw288@osfn.org>
- 2) Re: GP-7 manual..prelimanary manual only????
by AAFRadio@erols.com
- 3) RE: GP-7 Manuals
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 4) Need case/bottom covers for National RAO-7
by Bill Cotter <bcotter@pop.uky.edu>
- 5) WTB
by KB9VU@aol.com
- 6) RE: National Power Supply
by James Hanlon <knjhanlon@qwest.net>
- 7) RE: National Power Supply
by "Meir Ben-Dror" <mbendror@optonline.net>
- 8) Re: Need 8005 triode
by James Hanlon <knjhanlon@qwest.net>
- 9) Wanted: SX-115
by "knepper" <knepper@lenzlink.net>
- 10) Re: BC-946 wanted
by fclarke <fclarke@erols.com>
- 11) R392 circuit question?
by plmills@attglobal.net
- 12) [NO SUBJECT]
by JOHN.SEHRING@ecunet.org
- 13) Re: [NO SUBJECT]
by Lenox Carruth <carruth@geo-thermal.com>
- 14) Re: R392 circuit question?
by "P. J. Rovero" <provero@home.com>
- 15) Re: R392 circuit question?
by Hank van Cleef <vancleef@adic.com>
- 16) Help with Hickok 752A tube tester
by Avery Comarow <acomarow@usnews.com>
- 17) Followup re: 752A problem
by Avery Comarow <acomarow@usnews.com>
- 18) Re: carbon microphone elements

- by "Hue Miller" <kargokult@proaxis.com>
19) ??? on expanded scale meter
by "Hue Miller" <kargokult@proaxis.com>
20) Re: R392 circuit question?
by "Hue Miller" <kargokult@proaxis.com>
21) Re: Followup re: 752A problem
by Avery Comarow <acomarow@usnews.com>
22) Help- Hammarlund HQ-129X s-meter housing
by WA1KBQ@aol.com
23) Simpson Meters
by RIlowite@aol.com

Date: Fri, 22 Dec 2000 16:06:48 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: GP-7 manual..prelimanary manual only????
Message-ID: <Pine.SUN.3.91-FP.1001222160400.18644B-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Have a "final" one here, Paul. Has 33 pages of photographs in the
> back. Covers GP-6, -6A, and -7. Strangely enough, it doesn't seem to
> have a Navy 900,xxx number like most of the Navy manuals. Just refers
> to it as the "Instruction Manual"...

OK, since you have a real manual...

How is a GP-6 different from a GP-7? I have parts of both, but they were made for the same contract. Slightly different installations, maybe? I know once you get further back in the line, things change - GP-4a and -5 used a different control box, GP, GP-1, and GP-2 were just completely different animals.

William Donzelli
aw288@osfn.org

Message-ID: <3A43CE7A.5F5F706B@erols.com>
Date: Fri, 22 Dec 2000 16:58:18 -0500
From: AAFRadio@erols.com
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: GP-7 manual..prelimanary manual only????
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

William Donzelli wrote:

> How is a GP-6 different from a GP-7?

Sez here, "The Model GP-7 designation does not appear in the text of this book. These sets are identical to the Model GP-6 (sets serial numbers 701 to 1987 inclusive) electrically; however, mechanical changes have been made in the Master Oscillator dial of the plug-in tuning units necessitating assignment of an "A" after the Navy type numbers, except for the range "C" unit, for these units. The information on Model GP-6 equipments (sets serial numbers 701 to 1987 inclusive) appearing in this instruction book applies to the Model GP-7. Listed below are the components making up the Model GP-7 Aircraft radio transmitting equipments."

(list on request)

"Serial numbers have been assigned to the model GP-7 equipment starting with No. 1 and continuing to the total number of equipments on the contract."

Sheesh, talk about complicated sentence structure....

There is also a paragraph on the differences between the GP-6 and GP-6A but I suspect we have exceeded the threshold for producing glazed looks on the faces of list readers who have bothered to get this far. Basically boils down to a different power plug and control boxes, plus what they described as changes necessary to get it to run off the infamous 801-1 800~ inverter instead of an engine driven generator.

Thus endeth the esoterica lesson for the day.

73,

Mike Hanz KC4TOS

Date: Sat, 23 Dec 2000 02:21:16 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: GP-7 Manuals
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200012230221_MC2-BFB0-8DA9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Message text written by Old Tube Radios

> Has anyone have or ever seen a manual for the GP-7 that was not the =
"Preliminary Manual" . This is the manual that was mimeographed with no =
photos and some line drawings , this is what I have. I would like to know=
=
if a "finished" manual was ever produced with photos. The Preliminary =
manual lists quite a few photos of the gear in the table of contents but =
they are not present in the manual.
<

Paul & Group,

Yes. I have three GP-7 manuals, plus one that covers the GP-6, -6A and -7.

The single-sided preliminary on contract N0s-74844 dated June 27, 1940 and marked "CF-336" has the typical note in the front about all the photographs being omitted. Likewise, the double-sided preliminary on contract NXs dated NOV 11, 1942. However, I also have one with light brown covers on contract N0s-74844 dated June 27, 1940 and marked "I.B. 7243" which has the missing photographs. Likewise, the one on the GP-6, -6A and -7 also on contract N0s-74844 dated 27 June 1940 and marked "I.B. 7036" has light brown covers and all of the photos.

Incidentally, the GP-6A nomenclature was assigned retroactively to GP-6 equipment bearing serial numbers 1-700. 701 and up are GP-6! GP-7 equipment differed from GP-6 only in the nameplate nomenclature and in having slightly modified Range A, B, D, E and F tuning units with "A" suffixes. Serial numbers started with "1". Also, according to the page near the front giving the above info, GP-7 per se is not mentioned further in I.B. 7036.

73,
Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-Id: <3.0.5.32.20001223084734.00a59710@pop.uky.edu>
Date: Sat, 23 Dec 2000 08:47:34 -0500
To: Old Tube Radios <boatanchors@theporch.com>

From: Bill Cotter <bcotter@pop.uky.edu>
Subject: Need case/bottom covers for National RAO-7
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HELP,

I am trying to locate a stock case for my restored National RAO-7 Navy receiver. The RAO-7 receiver is physically identical to the RAO-9. The RAO-7 looks quite a bit like the RAO-6 and NC-120 less the S-meter, however, it differs in the type of case. The case attaches to the front panel with 10 or so bolts and it is one-piece construction to accomodate the receiver and the 'back-porch' RF deck section.

As I understand from the TM literature, the case is of steel construction, louvered, painted black, and has a copper-clad interior. The dimensions would be approximately 11-1/2" high, 19" wide and 16" deep, however, the front panel mounting doesn't appear to be a standard rack-mount drilling.

I am also in need of both bottom covers (main chassis and back porch), and the thin aluminum cover for the RF catacomb enclosure. The previous owner began a repair job on this fine old receiver, than unfortunately became an SK. The seller purchased the receiver from the estate as is, and missing covers, then I came into the picture. So, if you have a case, covers or a junker RAO-7/9, Or even a working RAO-7, I would be interested in hearing from you. Please drop me a line.

Merry Christmas and Safe Holidays,

73 bill n4alg

Bill Cotter, N4ALG E-mail: bcotter@pop.uky.edu
173 Carolyn Lane Home: (859) 887-5563,2402
Nicholasville, KY 40356-9340 Work: (859) 323-6474

ARRL ARCI #9878 QRP1 #1646 QCWA #29393 FISTS #4535

Hammarlund SP-600JX26 S/N: 12552 (R-274C/FRR '52 S/N: 2659)
Collins R-388/URR '51 S/N: 1175
Collins R-390A '55 S/N: 633 EAC R-390A '67 S/N: 3669

Philco R-392 '59 S/N: 167 HQ-180 '60 S/N: 2409

From: KB9VU@aol.com
Message-ID: <f9.5f70702.277646a6@aol.com>
Date: Sat, 23 Dec 2000 13:19:18 EST
Subject: WTB
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Still looking for a late serial number (28,000+) Drake R-4C in VG to excellent condition with a noise blanker, Filters and manuals is VG shape.

Thanks and best wishes for a very happy Holiday season.

Mike, KB9VU

Message-ID: <3A44F1A6.4A92A8C@qwest.net>
Date: Sat, 23 Dec 2000 11:40:38 -0700
From: James Hanlon <knjhanlon@qwest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: National Power Supply
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Red,

Just a guess, but I strongly suspect that your AC200 power supply was made to match the NC200 transceiver. It would probably power a T4X ok as well.

Jim, W8KGI

From: "Meir Ben-Dror" <mbendror@optonline.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: National Power Supply
Date: Sat, 23 Dec 2000 13:47:50 -0500
Message-ID: <004501c06d10\$d9c64d50\$0291a8c0@ntwks1.ws19ops.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Talking about the National 200 transceiver: does anyone have a manual/copy for it? I need one. Will gladly reimburse any mailing/copying expenses..

Thank you,

73, Meir WF2U

-----Original Message-----

From: owner-boatanchors@theporch.com [mailto:owner-boatanchors@theporch.com]
On Behalf Of James Hanlon
Sent: Saturday, December 23, 2000 1:41 PM
To: Old Tube Radios
Subject: RE: National Power Supply

Red,

Just a guess, but I strongly suspect that your AC200 power supply was made to match the NC200 transceiver. It would probably power a T4X ok as well.

Jim, W8KGI

Message-ID: <3A44F5C6.40BA948A@qwest.net>
Date: Sat, 23 Dec 2000 11:58:15 -0700
From: James Hanlon <knjhanlon@qwest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need 8005 triode
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A possible substitution for the 8005 that is readily available would be an 812A. They have the same socket connections, the same 1500 volt max plate voltage and similar drive requirements. They are both relatively low mu tubes, 20 for the 8005 and 29 for the 812A. They are both rated to 60 mc. The 812A has a 65 watt plate dissipation, while the 8005 has 85 watts. And the 812A has a 6.3 volt, 4 amp filament while the 8005 has a 10 volt, 3.25 amp filament. AES has Chinese 812A's for \$18.30 and Svetlana 812A's for \$36.80. They also have new 8005's for \$143.90 and used ones for \$77.40.

Good luck,

Jim, W8KGI

Message-ID: <007c01c06d1b\$2711dac0\$02000003@knepper>
From: "knepper" <knepper@lenzlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted: SX-115
Date: Sat, 23 Dec 2000 15:01:33 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will swap a fully loaded 75A-4 with speaker for a good SX-115.

David Knepper, W3ST
Publisher of the Collins Journal
Secretary to the Collins Radio Association
<http://www.collinsra.com>
Sign-up for the mail list: go to www.qth.net

Message-ID: <3A45190D.A8E9DBC@erols.com>
Date: Sat, 23 Dec 2000 16:28:45 -0500
From: fclarke <fclarke@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-946 wanted

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

Last week someone was looking for a BC-946. I was crawling about in the attic looking for Xmas stuff and found a CBY-46145/ ARA receiver 520-1500 Kc. It's in pretty good shape with a few chips. Has the tuning knob adapter, but no dyno or adapter box in the front panel. I can probably send a picture if you are interested. I used it a few years ago to listen to BC band in the shop with an external PS, so it probably still works OK.

73 de Tom/W40KW

Message-ID: <3A451778.AB10A95D@attglobal.net>
Date: Sat, 23 Dec 2000 15:22:00 -0600
From: plmills@attglobal.net
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R392 circuit question?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know the purpose of L232 and L233 in the filament circuits of the first and second mixers in the R-392. I have one that is open and am wondering what problems I might have by simply bypassing it.

thanks,
Phil
W5BVB

Date: Sat, 23 Dec 2000 18:52:08 -0500 (EST)
Message-Id: <200012232352.eBNNq8903043@ecunet.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: [NO SUBJECT]
From: JOHN.SEHRING@ecunet.org

Need some completely non-BA help. Am stuck at hospital, far from home for a few months.

Am dependent on old (1994) Compay Contura Aero laptop to stay in e-touch. Case of laptop has some cracks, getting worse. I can get to a hardware store here but don't know exactly what kind of glue, epoxy, crazy glue, etc. to use to fix it. It is important to get it right the first time, I

don't have the resources to undo & redo it.

I know there's a huge amount of materials science & experience here on the list, so... I can't even guess what kind of plastic is used. It seems pretty dense & strong, dark grey in color. The crack is just about in a straight 2" line, a nice clean crack, on the outside of the half that contains the screen. Opening & closing the screen puts lots of stress on this area, near the hinge.

Thanks & excuse the very off topic note.

-John Sehring (12/23/00, temp. at MWR MedCenter, Zion IL) UCC WB0EQ

Message-ID: <3A453F80.30E73858@geo-thermal.com>
Date: Sat, 23 Dec 2000 18:12:48 -0600
From: Lenox Carruth <carruth@geo-thermal.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [NO SUBJECT]
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

Sorry to hear that you are stuck at the hospital. Hope it is something that will turn out okay.

I repaired the top cover on an old Zenith laptop once. It had a similar problem. I used the thin (like water) cement sold for building plastic model airplanes. I might have also used some JB weld on the inside. However, I lucked out and the cover was the right type of plastic. I have no idea what yours might be. You can put some of the glue in an out of the way spot and see if it seems to work. If so, then you could use it on the crack. JB weld works great if you can get to the back of the piece you want to repair and if you have room to build up a filet.

JOHN.SEHRING@ecunet.org wrote:

>

> Am dependent on old (1994) Compay Contura Aero laptop to stay in e-touch.
> Case of laptop has some cracks, getting worse. I can get to a hardware
> store here but don't know exactly what kind of glue, epoxy, crazy glue,
> etc. to use to fix it. It is important to get it right the first time, I
> don't have the resources to undo & redo it.

--

Lenox

Lenox Carruth Dallas, TX carruth@geo-thermal.com
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TBX-8 Antenna, Key, Canvas Case, Accessory Box

Message-ID: <3A454A7B.6060400@home.com>
Date: Sat, 23 Dec 2000 19:59:39 -0500
From: "P. J. Rovero" <provero@home.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: R392 circuit question?
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

To quote chapter and verse, Section 81 and figure 48 of manual...

To prevent interstage coupling to high-frequency signals through the filament circuits, the following capacitor-choke-coil combinations are used:

L407, C458, and C459;
L408, C460, and C461;
L232, C301, and C302;
L233 and C300; and
L804 and C807,

You'd probably induce a bunch more intermod
and other spurious signals by removing the chokes.

plmills@attglobal.net wrote:

> Does anyone know the purpose of L232 and L233 in the
> filament circuits of the first and second mixers in
> the R-392. I have one that is open and am wondering
> what problems I might have by simply bypassing it.
>
> thanks,
> Phil
> W5BVB

>
>
>

From: Hank van Cleef <vancleef@adic.com>
Message-Id: <200012240134.SAA00587@catalina.emass.com>
Subject: Re: R392 circuit question?
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 23 Dec 2000 18:34:15 -0700 (MST)
Cc: boatanchors@theporch.com (Old Tube Radios)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As plmills@attglobal.net discourses

>

> Does anyone know the purpose of L232 and L233 in the
> filament circuits of the first and second mixers in
> the R-392. I have one that is open and am wondering
> what problems I might have by simply bypassing it.

>

Hi Phil:

An RF filter in filament/heater wiring is to provide low pass filtering to prevent RF from running around between stages. Values in such a circuit generally are not critical. Check the DC resistance of the good choke you have. Then use a regular resistor in place of it, if you do not have a substitute choke available. This to set the heater voltage properly. Try the set and see how it behaves. If you don't have parasitics or muddying up of AM reception, you're home free.

--

Henry van Cleef
Senior Engineer
Advanced Digital Information Corp.
303-705-3839
vancleef@emass.com

Message-Id: <3.0.6.32.20001223203620.007ddb20@pop3.norton.antivirus>
Date: Sat, 23 Dec 2000 20:36:20 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Help with Hickok 752A tube tester
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang, could somebody give me some advice?

I just took delivery of a nice 752A and ran a few tubes through as an initial check. Every one of the five 6CB6 and 6CH5 tubes I tested (they happened to be sitting on the bench at the time) had very high (bad) leakage in position number 4 of the leakage switch. There is no notation on the tube chart, as there is with some tubes, indicating that high leakage in certain positions is normal.

The table in the manual showing the electrode combinations that are tested in each position doesn't explain anything, because each switch position has so many possible leakage paths.

Should I ignore the leakage indication? That doesn't seem smart. Is this a common 752A problem?

I'd be grateful for any help someone can give me.

73, Avery W3AVE

Submissions test-equipment@qth.net

Message-Id: <3.0.6.32.20001223214406.007d5790@pop3.norton.antivirus>

Date: Sat, 23 Dec 2000 21:44:06 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Avery Comarow <acomarow@usnews.com>

Subject: Followup re: 752A problem

Cc: test-equipment@qth.net

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At the suggestion of Ron KA4INM I tried the leakage switch with no tube in the tester, and sure enough it gave me a bad reading at the same switch position (4)! Any troubleshooting advice at this point? I'm leery about tracing the miles of wires under this monster.

73, Avery W3AVE

Message-ID: <002a01c06d61\$aa8e9460\$89fd91c6@oemcomputer>

From: "Hue Miller" <kargokult@proaxis.com>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: <wb6nvh@mbay.net>

Subject: Re: carbon microphone elements

Date: Sat, 23 Dec 2000 20:26:13 -0800

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Say, the carbon elements ("F-1") out of handsets, i've been tossing the grubby disgusting ones i come across in acquired equipment. But i wonder if it's possible to wash these without ruining them. If not, where would one buy (like at surplus prices) new ones?
Tnx, Hue Miller

Message-ID: <004101c06d64\$310a7520\$89fd91c6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <wb6nvvh@mbay.net>
Subject: ??? on expanded scale meter
Date: Sat, 23 Dec 2000 20:44:22 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have some meters marked "25 uA E.S. " which means expanded scale. (This info thanks to respondents to my previous question)

I tested the meter and it only begins to register around 10 uA. That's pretty respectable. But my use idea for this is as an S-meter for a pre-BA radio, a crystal radio. I put the meter in series with magnetic phones and it works well in that use, requiring a switch-in shunt on strong signal. However, i'm wondering if i could somehow rework or modify the meter, losing the expanded-scale feature is no problem, so that it started right up with anything over 0 uA. On the other hand, i wonder if once i defeated the pointer's liking for the left hand stop, the pointer might sail around like a dandelion seed in a breeze. BTW, i found with some magnetic phones of lower impedance than ideal, a transformer scrapped out of a 4-volt "wall wart" AC adaptor, used here as a stepdown transformer, improved the output level. The best magnetic phones i tried were ex-Navy sound powered phones, followed by a heavy set of Trimms, not the usual cheap cheapo model.

Also on meters, once a meter has been out in the rain, and its pointer is stuck up at half scale, will this meter

function again once all the moisture has eventually evaporated out of it?

Tnx, Hue Miller

Message-ID: <005101c06d65\$12a372c0\$89fd91c6@oemcomputer>

From: "Hue Miller" <kargokult@proaxis.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: R392 circuit question?

Date: Sat, 23 Dec 2000 20:50:41 -0800

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If you cannot find the original part of a reasonable facsimile, probably a small torroid wound to several tens of uH would suffice.

I would wager one 'Monopoly' dollar that as long as you have the filament decently capacitor-bypassed to ground, you would not be able to discern any difference with the choke in or left out. However, if it were my radio, i too would try as much as possible to replace it.

Hue Miller

Message-Id: <3.0.6.32.20001224084224.007d5a70@pop3.norton.antivirus>

Date: Sun, 24 Dec 2000 08:42:24 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Avery Comarow <acomarow@usnews.com>

Subject: Re: Followup re: 752A problem

Cc: boatanchors@theporch.com

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Arden,

Thank you for your help. Alan Douglas, who just published a book on vintage tube testers (and a few other varieties of test equipment), emailed me. He feels that the likely culprit is a socket with flux or other contaminant between the pins. His advice is to apply heat (gently!) with a gun to the underside of each socket in turn to ferret out the offender. He believes that the leakage switch itself almost certainly is **not** the problem--which if true is a major relief, although once I have access to the bottom I'll do a Deoxit job on the switch.

What do you think?

73, Avery W3AVE

At 11:21 PM 12/23/00 -0500, you wrote:

>Hi Avery;

>

>> At the suggestion of Ron KA4INM I tried the leakage switch with no tube
>in

>> the tester, and sure enough it gave me a bad reading at the same switch
>> position (4)! Any troubleshooting advice at this point? I'm leery about
>> tracing the miles of wires under this monster.

>

>Anything in the circuit that is supposed to have dielectric (insulation)
>properties is suspect. One possibility that is often overlooked is the
>hookup wire's insulation. Some types of PVC insulation seem to develop
>leakage problems over many years. You may have to replace some runs of
>wire with new good stuff. Check everything else first. Disconnecting and
>isolating sections is the only sure way.

>

>Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

>

>

>

>

From: WA1KBQ@aol.com
Message-ID: <a1.efe4312.2777a796@aol.com>
Date: Sun, 24 Dec 2000 14:25:10 EST
Subject: Help- Hammarlund HQ-129X s-meter housing
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi everyone, I have an HQ-129X apart here for cleaning and checking over and doing all the usual stuff we generally find needs to be done to make them work well and at least look nice and presentable. I am in the process of going back together but have hit a small snag. The s-meter housing is cracked all around in back and is sprung apart like petals on a flower from stress over the years. The housing is made of brass and painted black. Does anyone have an HQ-129 s-meter to sell? Not working would be OK if the housing is good. I would also consider purchasing a parts rig or a fixer upper with a good meter housing if you'd rather go that route. Someone wrote back on another reflector that this is common on the HQ-129. I have also seen it a lot on many early Hallicrafters models. I am considering a repair attempt to the one I have here but wanted to post this to the list in case it doesn't work. So far I have turned a small sleeve on the lathe to press over the

badly distorted housing to restore its shape and may try to carefully solder the cracks with a small torch as soon as I can locate some heat sink putty to protect the glass. If anyone has a meter or a complete parts set to sell I would sure appreciate hearing from you. Originally I was planning to just reinstall the meter as it was but the chassis, front panel, knobs and cabinet turned out looking so good that I just had to try to help that meter before I put the front panel back together. Hopefully I won't make the meter worse than it already is from the repair attempt.

Thanks in advance and have a very merry Christmas,
Greg Gore; WA1KBQ

From: RIlowite@aol.com
Message-ID: <54.dd30fa7.27783aca@aol.com>
Date: Mon, 25 Dec 2000 00:53:14 EST
Subject: Simpson Meters
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="part1_54.dd30fa7.27783aca_boundary"
Content-Disposition: Inline

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Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I need the book for the Simpson model 270, series 3 multimeter. Also The only address I have is: Simpson Elec 5200 West Kinzie Ave. Chicago 44 Il. Would appreciate any help -meter needs work.
Ralph; W2GKG

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Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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